	Please type a plu	ıs (+) sign in thi	s box —	→				
MAY 2 & 200	Substitute for fo				Attorney Docket Num	ber	80063	
THAT & TRADE	1.5				First Named Inventor		Strand et al.	
	* INFORM				COMPLETE IF KNOWN			
	STATEM	ENT BY	APP	LICANT	Application Number	10	7722,870	
					Filing Date	November 26, 2003		
					Group Art Unit			
	Sheet	1	of	1	Examiner Name			

			U.S. F	PATENT DOCUMENTS	
Examiner Initials*	Cite	U.S.Patent	Document		Date of Publication of Cited
	No.	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Document MM-DD-YYYY

				FOREIGN	PATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·	
Examiner	Cite	Foreign Patent Document		ment		Date of Publication	_
initials*	No.1	Office ³	Number ⁴	Kind Code ⁵ (If known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	+
(3)		JP	2000-327891		Tsutsunaka Plastic Industry Co. Ltd	11-28-2000	V
							_
							-
			· · · · · · · · · · · · · · · · · · ·				
							
							-

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	۲۰

		1	/		
Examiner Signature	// ×	Boyl	2_	Date Considered	ont 23200
		,			

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

MAR 2 MAPlease type a plus (+) sign in this box — +

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT App

of

6

1

Attorney Docket Nun	ber 80063-01	
First Named Inventor	Strand et al	
<i>F</i>	COMPLETE IF KNOWN	
Application Number	10/722,870	
Filing Date	11/26/2003	
Group Art Unit		
Examiner Name		

			U.S. 1	PATENT DOCUMENTS		
Examiner Initials*	Cite No. ¹	Cite U.S.Patent Document No.¹ Number Kind Cod (if known		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY 03-27-2003	
13 L		10/086,905		Moskala et al		
		10/706,669		Strand		
		2,044,612		Jaeger	06-16-1936	
		3,186,961		Sears	06-01-1965	
		3,658,978		Ancker	04-25-1972	
		3,873,496		Hills	03-25-1975	
		3,883,478		Gresham	05-13-1975	
		4,045,431		Fagerburg	08-30-1977	
		4,258,153		Yomamoto et al.	03-24-1981	
		4,340,526		Petke et al	07-20-1982	
		4,391,938		Memon et al	07-05-1983	
		4,450,250		McConnell et al	05-22-1984	
		4,506,043		Ogawa et al	03-19-1985	
		4,814,426		Utsumi et al	03-21-1989	
		4,837,254		Branscome	06-06-1989	
		4,963,418		Isaka et al	10-16-1990	
		4,996,291		Yoshinaka et al	02-26-1991	
2		5,017,680		Sublett	05-21-1991	
0		5,256,714		Liu et al.	10-26-1993	

Examiner Signature	17. Bock	Date Considered	120 t 23 mil
*EXAMINER: In	uitial if reference considered whither as not citation is in and	faces and the APPER and	7

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449			Att	torney Docket Numb	oer	80063-01		
Substitute for for	111 1443			Fir	st Named Inventor		Strand et al	
INFORMA					COMPLETE IF KNOW			N
STATEM	ENT BY	APPL	ICANT	Ap	Application Number 10/722,870			
				Fili	ng Date	11	/26/2003	
<u> </u>			-	oup Art Unit				
Sheet	2	of	6	Ex	aminer Name			
1/3	5,290	,631			Fleury, et al			03-01-1994
	5,399	,595			Sublett et al			03-21-1995
	5,484	,632			Mercer, Jr., et	al		01-16-1996
	5,532	,049			Masuda et al.			07-02-1996
	5,534	,570			Shih et al			07-09-1996
	5,589	,126			Shih et al			12-31-1996
	5,624	,987			Brink et al			04-29-1997
	5,654	,347		Khemani et al			08-05-1997	
	5,696,	176		Shih Shih Buchanan et al				12-09-1997
	5,824,	,398						10-20-1998
	5,859,	116						01-12-1999 05-04-1999
	5,900,	322						
	5,928,	788			Riedl .			07-27-1999
	5,965,	648			Brink et al.			10-12-1999
	5,998,	005			Kanno			12-07-1999
	6,025,	061			Khanarian et al			02-15-2000
	6,054,	551			Cornell et al			04-25-2000
	6,068,	910			Flynn et al			05-30-2000
	6,103,	857			Jones et al			08-15-2000
	6,551,	688			Moskala et al.			04-22-2003
	6,551,	699			Flynn			04-22-2003
	6,632,	390			Shelby et al			10-14-2003
	 	-		_				
11/	1					_		

Examiner	$\langle f(x) \rangle \langle f(x) \rangle$	12	Date		1.0
Signature	1. Do	1KU	Considered	/01	7 25-2014
				_	7 0.990 (1.14)

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁹Applicant is to place a check mark here if English language Translation is attached.

Please	tvoe	aı	auio	(+)	sian in	this box	
1 10030	OPPO	0 1	9,00	۱.,	A.B	******	,

1		
	_	
	•	

(Substitute for fo	1449			Attorney Docket Number	9 Γ	80063-01		
•	subsulute for ic) 1449			First Named Inventor	rst Named Inventor Strand et al			
		ATION D				C	OMPLETE IF KNOWN		
;	STATEMENT BY APPLICANT				Application Number	10	/722,870		
					Filing Date	11	/26/2003	-	
					Group Art Unit				
	Sheet	3	of	6	Examiner Name		· · · · · · · · · · · · · · · · · · ·		

				FOREIGN	PATENT DOCUMENTS		
Examiner Initials*	Cite No.	Office ³	Foreign Patent Docu Number ⁴	ment Kind Code ^b (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T [©]
13		GB	805 586	A	Goodyear Tire & Rubber	12-10-1958	
19		GB	805 587		Goodyear Tire & Rubber	12-10-1958	
		GB	805 588		Goodyear Tire & Rubber	12-10-1958	
		GB	815 991		Union Carbide Corporation	07-08-1959	
		GB	1 323 478		Stamicarbon N.V.	09-18-1973	
		wo	87/03291	А	Eastman Kodak Company	06-04-1987	
		wo	94/28061	Α	Zeneca Ltd.	12-08-1994	
		JP	4-117432		Uenomachi et al	04-17-1992	1
		JP	7-278418	A2	Kitamura et al	10-24-1995	1
	,	EP	0 724 947	A1	Toray Industries, Inc.	08-07-1996	
		JP	8-283547	A	Ozawa	10-29-1996	1
		EP	0 744 439	A1	Idemitsu Petrochemicals Co.	11-27-1996	
		JP	9-40823	А	Nishimura et al	02-10-1997	1
		JP	9-66590	A2	Kimata	03-11-1997	1
		JP	9-272191	Α	Kunimaru et al.	10-21-1997	1
		wo	97/42260		Pagani	11-13-1997	1
10		JP	10-363908	Α	Suda	07-04-2002	1

					/	
Examiner Signature	1/2 Boe	Res	Date Considered	9/	28/	54

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449					Attor	mey Docket Numl	oer	Attorney Docket Number 80063-01				
					First	Named Inventor		Strand et				
			N DISCLOSU		COMPLETE IF KNOWN							
STA	ATEM	ENT	BY APPLICA	NI	Appli	Application Number 10/722,870						
					Date	11	/26/2003			<u> </u>		
-					<u> </u>	p Art Unit		· - ······				
Sho	eet	4	of	6	Exam	niner Name			-			
1/2		EP	1 054 038		A1	Tokunaga et	al.			11-22-2000	1	
		JP	2000-336256		Α	Ishimaru				12-05-2000	1	
		JP	2001-18344		Α	Sasaki et al				01-23-2001	1	
		JP	2002-53740		Α	Murata				02-19-2002	1	
		wo	02/28967		A1	Kurauchi				04-11-2002	1	
		JP	2002-121362		Α	Murata				04-23-2002	1	
		JP	2002-129483	9483		Tunakia et a	I.			05-09-2002	1	
		JP	2003-128890		Α	Nishida et al	•			05-08-2003	1	
		JP	2003-128894		Α	Komatsu et al.			05-08-2003	1		
		JP	2003-128773		Α	Nishida et al	Nishida et al Nishida et al Komatsu et al.			05-08-2003	1	
		JP	2003-128889		Α	Nishida et al				05-08-2003	1	
		JP	2003-154539		A	Komatsu et a				05-27-2003	1	
		JP	2003-155402		Α	Kurauchi	_			05-30-2003	1	
		JP	2003-155401		Α	Komatsu et a	ıl.			05-30-2003	1	
		DE	100 40 691		A1	Arnold				02-28-2002	1	
		JP	2000-136294		Α	Suda et al				05-16-2000	1	
		JP	7-60924		A Mimasu et a					03-07-1995	1	
		JP	2001-279068		Α	Fujino et al.				10-10-2001	1	
		JP	2003-191266		Α	Ohama et al.				07-08-2003	1	
		JP	2002-129002		A Fujino et al.					05-09-2002	1	
<u> </u>			$ \bigcirc $	/)					/)		
Examir Signati		/	12/30	AX	h			Date Considered	q	Q3/04		

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for fo	rm 1449			Atto	mey Docket Numi	ber	80063-01			
					First Named Inventor Strand et al					
INFORM					COMPLETE IF KNOWN					
STATEM	ENIE	SY APP	LICANI		cation Number		/722,870			
				— —	Date	11/	/26/2003			
					p Art Unit					
Sheet	5	of	6	Exam	niner Name				_/	
B	JP	2001-3	54842	Α	Ueda et al.			12-25-2001	1	
V /	JP	10-291	225	A	Yokomizu et	al.		11-14-1990	٧	
	JP	8-1422	90	Α	Kitamura			11-14-1990	٧	
	JP	2003-20	01391	Α	Komatsu et a	al		07-18-2003	1	
`	JP	1-4974		B2	Furusawa et	t al.		10-25-1989	1	
	JP	5-27139	97	Α	Yoshida et a	Yoshida et al.		10-19-1993	1	
	JP	2001-30	2833	Α	Tanaka et al.		10-31-2001	4		
	JP	2000-30	2951	Α	Akio et al	al		10-31-2000	1	
	JP	2000-13	6294	Α .	Suda et al			05-16-2000	4	
	JP	11-3433	53	Α	Hiroshi			12-14-1999	1	
45	JР	11-1583	58	Α	Kitamura et a	al .		06-15-1999	1	
				· · · · · · · · · · · · · · · · · · ·						
								· · · · · · · · · · · · · · · · · · ·		
LL										

	-				./	·)	
Examiner		· ///	Date		\bigcap	101	_
Signature		HIKU	Considered	14/	125/	10 Y	
	1 (50)			/	/		

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

Please type a plus (+) sign in this box	\rightarrow	+
---	---------------	---

Substitute for fr	4440			Attorney Docket Num	ber	80063-01	
Substitute for the	DIM 1449			First Named Inventor	First Named Inventor Strand et al		
INFORM	ATION D	ISCL	OSURE		С	OMPLETE IF KNOWN	
STATEMENT BY APPLICANT				Application Number	Application Number 10/722,870		
				Filing Date	11	/26/2003	
				Group Art Unit			
Sheet	6	of	6	Examiner Name			

		ATUED DDIOS ART, NON DATENT LITER ATURE OF COMME	
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T°
B		Database WPI, Section CH, Week 9702, XP-002106151, Derwent Publications, Ltd., Oct. 29, 1996, London, GB	
13		Jim Butschli, Packaging World, pp. 26-28, June 1997	
		W.V. Titow, PVC Technology, 4 th Edition, pp. 803-848 (1984), Elsevier Publishing Co.	
		Material Safety Data Sheet, "EASTAR" PETG COPOLYESTER 6763, October 23, 1997	
		Anonymous Research Disclosure 23314, September 1983	
		Fox equation, T.G. Fox, Bull. Am. Phys. Soc., 1, 123 (1956)	
		"The Technology of Plasticizers", by J. Kern Sears and Joseph R. Darby, published by Society of Plastic Engineers/Wiley and sons, New York, 1982, pp. 134-137	
1		Coleman et al., Polymer 31, (1990), 1187-1203	
B		Elias, H. Macromolecules, Plenum Press: NY, 1977, p. 391	

	$\Delta \alpha$				/ 1
Examiner Signature	(1)	URU	Date Considered	Q/	23/04

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁹Applicant is to place a check mark here if English language Translation is attached.